

2008 58772 W REVISION DATE: 31 AUG 2005  
 ARMY MCA (AS OF 10/27/2005 AT 08:49:11) 06 MAY 2002  
 LAF=1.00 UM=M

Fort Example  
 CONUS

Automated Field Fire Range(AFF)

178 03 58772 3,400

1.0000 /US\$

PRIMARY FACILITY				2,876
Stationary Infantry Tgt. Emplmts	EA	96	4,569	(439)
One Man Foxhole	EA	32	3,337	(107)
Service Roads	LS	--	--	(68)
Grading & Drainage	LS	--	--	(162)
Clearing & Grubbing	LS	--	--	(55)
Total from Continuation page(s)				(2,045)
SUPPORTING FACILITIES				205
Electric Service	LS	--	--	(205)

ESTIMATED CONTRACT COST	3,081
CONTINGENCY PERCENT (5.00%)	<u>154</u>
SUBTOTAL	3,235
SUPERVISION, INSPECTION & OVERHEAD (5.70%)	<u>184</u>
TOTAL REQUEST	3,419
TOTAL REQUEST (ROUNDED)	3,400
INSTALLED EQT-OTHER APPROPRIATIONS	(0)

Construct a standard Automated Field Fire Range (AFF). Primary facilities include small range operations center, general instruction building, ammo breakdown building, operations/storage building, latrine, bleacher enclosure, and covered mess. Supporting facilities include electric service and information systems. Targetry and instrumentation systems will be funded by Other Procurement, Army (OPA) appropriations. Anti-terrorism/force protection measures include reinforced metal doors, exterior lighting, laminated glass and security grates for windows. Access for individuals with disabilities is not required. Demolish buildings ( \_\_ total m2). Air conditioning (estimated \_\_ kwr).

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9. COST ESTIMATES (CONTINUED)

Item	U/M	Qty	Unit Cost	Cost (\$000)
PRIMARY FACILITY (CONTINUED)				2,045
Demolition	LS	--	--	(1)
Lane Markers	EA	32	288.56	(9)
Limit Markers	EA	2	1,157	(2)
Security Barrier	LS	--	--	(4)
Range Operations & Control Area	LS	--	--	(100)
Downrange Electrical	LS	--	--	(1,306)
Control Tower	m2	23.04	8,894	(205)
Operations/Storage Building	m2	74.32	1,178	(88)
General Instruction Building	m2	74.32	1,184	(88)
Latrine, Dual Sex, Aerated Vault	m2	18.02	3,443	(62)
Bleacher Enclosure	m2	54.44	1,490	(81)
Covered Mess	m2	70.61	923.81	(65)
Ammo Breakdown Building	m2	16.82	1,995	(34)

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11. REQ: NONE ADQT: NONE SUBSTD: NONE

PROJECT:

Construct a standard Automated Field Fire Range (AFF). ([New] [Current] mission.

REQUIREMENT:

This information is prepared to address the question "Why is the project needed now?" A continuing need for the project should also be indicated. Include a sentence stating the average daily loads/training throughput. Any alternatives to project construction should be identified along with the corresponding rational for rejection. In cases where the project is required to support unit activations, stationing actions or equipment modernization, clearly indicate what type of unit or what type of equipment has generated the programming action. List the units generically, not specifically. Also, provide a statement indicating if the project has been validated by the Range Development Plan.

CURRENT SITUATION:

This information is required to answer the questions "How is the need currently being met" and "How does the unit currently operate?" Avoid emotional appeals. Be factual. Do not state that mission is not being met, instead describe the deficiencies in meeting mission. Include all factors considered in determining that the current facilities are not suitable for continued use.

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IMPACT IF NOT PROVIDED:

Information contained in this subsection will describe the results if the project is not approved and constructed. Indicate, where applicable, any adverse impacts on overall mission accomplishment, safety, etc. Do not just repeat the Current Situation. This paragraph defines the forecasted adverse impact on the continuing operation or mission. Begin this subsection with, "If this project is not provided..."

ADDITIONAL:

Information in this subsection is easily entered by using the "Standard Statement Assistance" in the PAX processor. The statement choices for a typical range project follow:> Physical Security ñ 1st choice AT/FP ñ 1st choice Econ Analysis ñ 2nd choice Joint Use Certification ñ 2nd choice Sustainable Principles ñ yes This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Alternative methods of meeting this requirement have been explored during project development. This project is the only feasible option to meet the requirement. The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. The facility will be available for use by other components. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123 and other applicable laws and Executive Orders.

ESTIMATED CONSTRUCTION START:	MAR 2008	INDEX: 2412
ESTIMATED MIDPOINT OF CONSTRUCTION:	SEP 2008	INDEX: 2437
ESTIMATED CONSTRUCTION COMPLETION:	MAR 2009	INDEX: 2463

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Automated Field Fire Range(AFF) 58772  
 U/M Qty Unit Cost  
 (\$000)

PRIMARY FACILITY.

GENERAL.

1.0)	17803	Stationary Infantry Tgt. Emplmt	EA	96	4,569	(439)
1)		Electrical	EA	96	3,742	359
2)		Architectural / Structural	EA	96	827.94	79
2.0)	17803	One Man Foxhole	EA	32	3,337	(107)
1)		Precast w/ Cover & French Drain	EA	32	3,337	107
3.0)	85110	Service Roads	LS	--	--	(68)
1)		Targets Service Roads	LS	--	--	68
4.0)	93210	Grading & Drainage	LS	--	--	(162)
1)		Grading, Drainage & Erosion Pro	LS	--	--	162
5.0)	93210	Clearing & Grubbing	LS	--	--	(55)
1)		Clear Trees & Grub Stumps	LS	--	--	55
6.0)	93310	Demolition	LS	--	--	(1)
1)		Demolition of Existing Structur	LS	--	--	1
7.0)	17803	Lane Markers	EA	32	288.56	(9)
1)		Lane Marker, one per lane	EA	32	288.57	9
8.0)	17803	Limit Markers	EA	2	1,157	(2)
1)		Wooden Construction	EA	2	1,157	2
9.0)	17803	Security Barrier	LS	--	--	(4)
1)		Steel Pipe Swing Barrier	LS	--	--	4
10.0)	17801	Range Operations & Control Area	LS	--	--	(100)
1)		Fill Under Buildings	LS	--	--	7
2)		Access Road Upgrade	LS	--	--	32
3)		Fencing	LS	--	--	4
4)		Sidewalks	LS	--	--	1
5)		Parking	LS	--	--	14
6)		Grading and Drainage	LS	--	--	35
7)		Range Flag Pole	EA	1	7,110	7
11.0)	81242	Downrange Electrical	LS	--	--	(1,306)
1)		Power Center	LS	--	--	38
2)		Secondary Utilities	LS	--	--	741
3)		Flood light Pole Detail	LS	--	--	151
4)		Testing	LS	--	--	10
5)		Limit Marker Lighting	LS	--	--	6
6)		Concrete Encasement	LS	--	--	3
7)		Telephone	LS	--	--	10
8)		Miss. PC- Small Arms Standard	LS	--	--	14
9)		Fiber Optics	LS	--	--	328
10)		Primary Utilities	LS	--	--	5
12.0)	17971	Control Tower	m2	23.04	8,894	(205)
1)		ARCHITECTURAL/STRUCTURAL	m2	23.04	6,572	151

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		U/M	Qty	Unit Cost	Cost (\$000)
2)	MECHANICAL	m2	23.04	250.18	6
3)	ELECTRICAL	m2	23.04	2,072	48
13.0)	17122 Operations/Storage Building	m2	74.32	1,178	(88)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	821.93	61
2)	MECHANICAL	m2	74.32	107.12	8
3)	ELECTRICAL	m2	74.32	249.02	19
14.0)	17120 General Instruction Building	m2	74.32	1,184	(88)
1)	ARCHITECTURAL/STRUCTURAL	m2	74.32	756.36	56
2)	MECHANICAL	m2	74.32	171.35	13
3)	ELECTRICAL	m2	74.32	256.50	19
15.0)	73075 Latrine, Dual Sex, Aerated Vaul	m2	18.02	3,443	(62)
1)	ARCHITECTURAL/STRUCTURAL	m2	18.02	1,871	34
2)	MECHANICAL	m2	18.02	1,092	20
3)	ELECTRICAL	m2	18.02	479.72	9
16.0)	75061 Bleacher Enclosure	m2	54.44	1,490	(81)
1)	ARCHITECTURAL/STRUCTURAL	m2	54.44	1,202	65
2)	ELECTRICAL	m2	54.44	287.79	16
17.0)	17123 Covered Mess	m2	70.61	923.81	(65)
1)	ARCHITECTURAL/STRUCTURAL	m2	70.61	730.62	52
2)	ELECTRICAL	m2	70.61	193.19	14
18.0)	17123 Ammo Breakdown Building	m2	16.82	1,995	(34)
1)	ARCHITECTURAL/STRUCTURAL	m2	16.82	1,352	23
2)	ELECTRICAL	m2	16.82	643.41	11

SUPPORTING FACILITIES.

Electric Service	LS	--	--	(205)
1) Overhead/Underground Primary	LS	--	--	161
2) Communications	LS	--	--	44